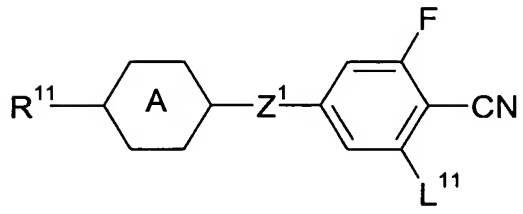
CLAIMS

1. A liquid-crystalline medium comprising

- a component (α) which comprises at least one compound of the formula I



I

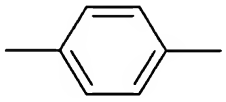
where

L^{11} is H or F;

R^{11} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms;

Z^1 is a single bond or -COO-; and

is



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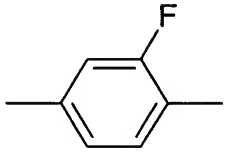

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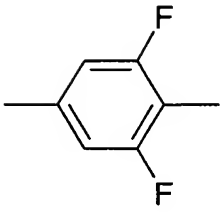

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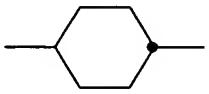
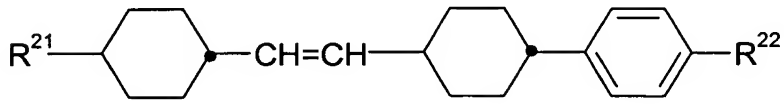


;

and

- a component (β) which comprises at least one compound of the formula II



II

where

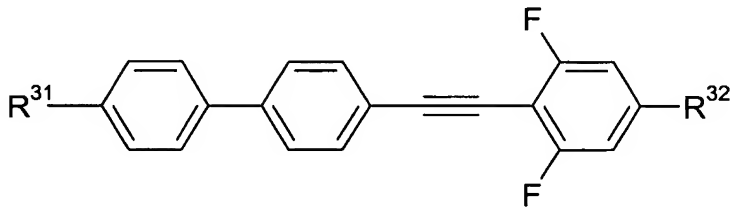
R^{21} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms;

R^{22} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms, in which one $-CH_2-$ group is optionally replaced by oxygen;

where the following applies for the dielectric anisotropy $\Delta\varepsilon_{corr}$ of the liquid-crystalline medium:

$$\Delta\varepsilon_{corr} \leq \frac{5 \cdot V_{10} + 32}{V_{10}^2} \qquad (1).$$

2. A liquid-crystalline medium according to Claim 1, wherein component (β) further comprises at least one compound of the formula III:

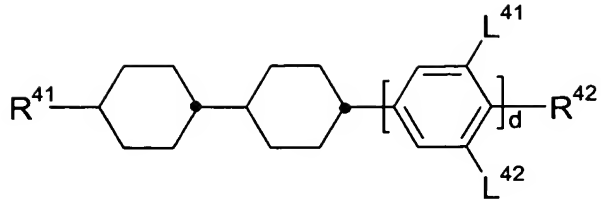


III

where

R^{31} and R^{32}, independently of one another, are alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms, in which one $-CH_2-$ group is optionally replaced by oxygen.

3. A liquid-crystalline medium according to of Claim 1, wherein component (β) further comprises at least one compound of the formula IV:



IV

where

L^{41} and L^{42}, independently of one another, are H or F;

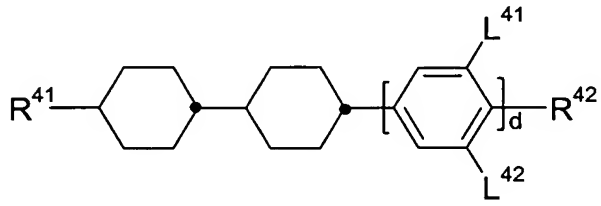
R^{41} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms;

R^{42} is alkyl having from 1 to 12 carbon atoms, alkenyl having from 2 to 12 carbon atoms or F;

with the proviso that at least one of the radicals R^{41} and R^{42} is alkenyl; and

d is 0 or 1.

4. A liquid-crystalline medium according to of Claim 2, wherein component (β) further comprises at least one compound of the formula IV:



IV

where

L^{41} and L^{42}, independently of one another, are H or F;

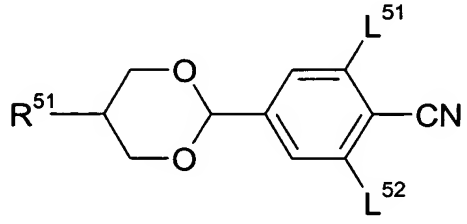
R^{41} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms;

R^{42} is alkyl having from 1 to 12 carbon atoms, alkenyl having from 2 to 12 carbon atoms or F;

with the proviso that at least one of the radicals R^{41} and R^{42} is alkenyl; and

d is 0 or 1.

5. A liquid-crystalline medium according to Claim 1, wherein component (α) further comprises at least one compound of the formula V:



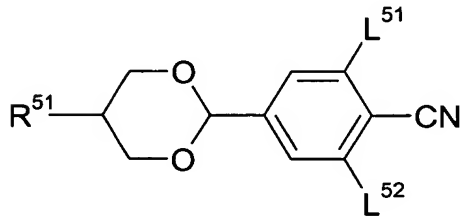
V

where

L^{51} and L^{52}, independently of one another, are H or F; and

R^{51} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms.

6. A liquid-crystalline medium according to Claim 2, wherein component (α) further comprises at least one compound of the formula V:



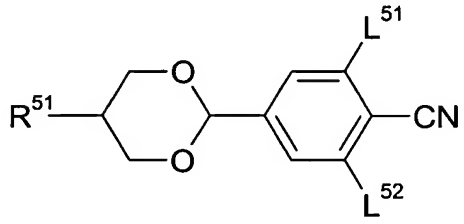
V

where

L^{51} and L^{52}, independently of one another, are H or F; and

R^{51} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms.

7. A liquid-crystalline medium according to Claim 3, wherein component (α) further comprises at least one compound of the formula V:



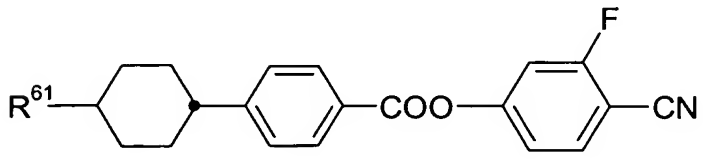
V

where

L^{51} and L^{52}, independently of one another, are H or F; and

R^{51} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms.

8. A liquid-crystalline medium according to Claim 1, wherein component (α) further comprises a compound of the formula VI:

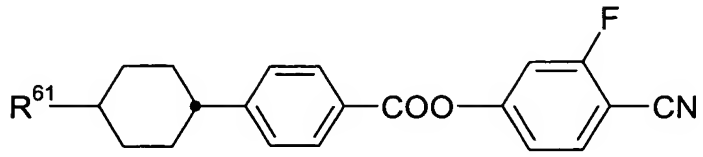


VI

where

R^{61} is alkyl having from 1 to 12 carbon atoms.

9. A liquid-crystalline medium according to Claim 2, wherein component (α) further comprises a compound of the formula VI:

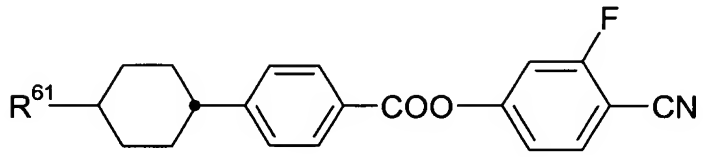


VI

where

R^{61} is alkyl having from 1 to 12 carbon atoms.

10. A liquid-crystalline medium according to Claim 3, wherein component (α) further comprises a compound of the formula VI:

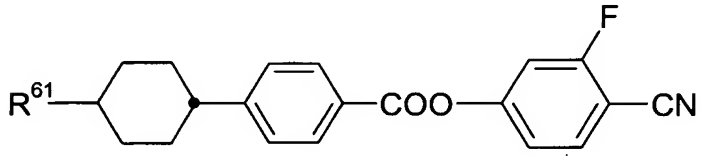


VI

where

R^{61} is alkyl having from 1 to 12 carbon atoms.

11. A liquid-crystalline medium according to Claim 5, wherein component (α) further comprises a compound of the formula VI:



VI

where

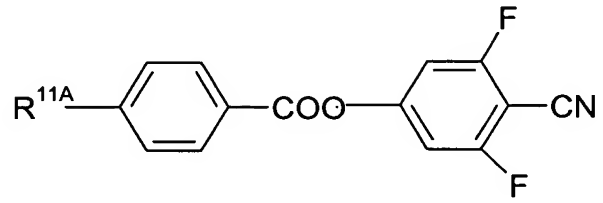
R^{61} is alkyl having from 1 to 12 carbon atoms.

12. A liquid-crystalline medium according to Claim 1, wherein component (α) is present in an amount of from 5 to 75% by weight based on the total weight of the medium.

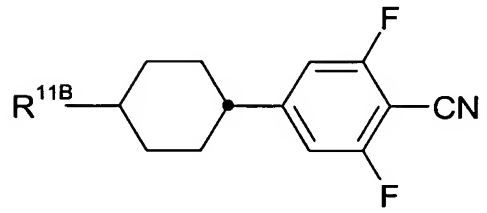
13. A liquid-crystalline medium according to Claim 1, wherein component (α) is present preferably in an amount of from 9 to 55% by weight.

14. A liquid-crystalline medium according to Claim 1, wherein component (α) is present in an amount of from 13 to 40% by weight.

15. A liquid-crystalline medium according to Claim 1, wherein component (α) comprises at least one compound of the formula I which is of the formula IA and/or of the formula IB:



IA



IB

in which

R^{11A} is alkenyl having from 2 to 12 carbon atoms; and

R^{11B} is alkyl having from 1 to 12 carbon atoms or alkenyl having from 2 to 12 carbon atoms.

16. An electro-optical display device which contains a liquid-crystalline medium according to Claim 1.

17. The display device of claim 16 which is a TN or STN display device.

18. A method for operating an electro-optical TN or STN display device in an energy-saving manner wherein the device contains a liquid-crystalline medium of claim 1.